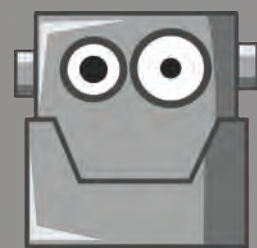


Proceedings of the
26th Benelux Conference on
Artificial Intelligence



BNAIC

Nijmegen, November 6-7, 2014
Franc Grootjen, Maria Otworowska, Johan Kwisthout (eds.)

BNAIC 2014
**Benelux Conference on Artificial
Intelligence**

PROCEEDINGS OF THE TWENTY-SIXTH
BENELUX CONFERENCE ON ARTIFICIAL INTELLIGENCE

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Preface

This book contains the proceedings of the 26th edition of the Benelux Conference on Artificial Intelligence. The conference was organized by the Radboud University. The multidisciplinary nature of the field of Artificial Intelligence is visible by the number of research institutes and educational programs from Nijmegen that helped organizing this conference. Researchers from the Donders Institute for Brain, Cognition and Behaviour, the Institute for Computing and Information Sciences, the Centre for Language Studies and SSN Adaptive Intelligence together with lecturers from Artificial Intelligence, Computer Science and Communication and Information Sciences combined their efforts to organize this conference. As usual, the BNAIC was organized under the auspices of the Belgian-Dutch Association for Artificial Intelligence (BNVKI) and the Dutch Research School for Information and Knowledge Systems (SIKS).

The conference aims at presenting an overview of state-of-the-art research in Artificial Intelligence in Belgium, Luxemburg and the Netherlands, but does not exclude contributions from other countries. The received submissions show that AI researchers in the Benelux continue to work actively in many different areas of Artificial Intelligence and are open for new developments in technology and society.

To improve the exchange of ideas between AI researchers in the Benelux we preserved the tradition of accepting more than just regular papers describing original work: like previous years, we accepted extended abstracts describing both recent work published elsewhere as well as demonstrations of intelligent software. Moreover, to allow potential new researchers to get a taste for science, this year we added a special ‘Thesis track’, in which students could submit an extended abstract of their Bachelor or Master thesis. Students that were accepted in this track were invited to prepare a poster presentation of their work.

We received 67 submissions consisting of 24 regular full papers, 28 short papers, and 6 system demonstrations and 9 thesis abstracts. We are grateful to the Program Committee members who carefully reviewed all submissions. The program chairs made the final decisions. The overall acceptance rate was 87% (67% for full papers, 96% for compressed papers, 83% for demos and 100% for thesis abstracts).

There were many people involved in the organization of this conference. Apart from the local organization team we would like to thank all student volunteers, administrative and secretarial assistants and our sponsors. We gratefully acknowledge help from BNVKI board members and previous organizers. Finally, we thank our invited speakers, Simon Colton (Professor of Computational Creativity at Goldsmiths University of London) and Marc Pollefeys (Head of the Institute for Visual Computing at ETH Zürich).

October 2014

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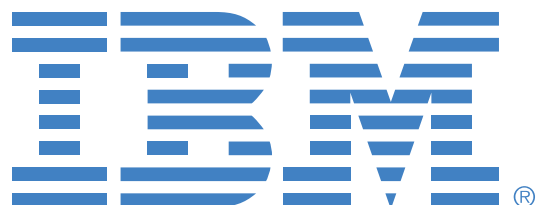
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Contents

Full papers

Learning to Recognize Horn and Whistle Sounds for Humanoid Robots	1
<i>Niels Backer and Arnoud Visser</i>	
Combining Combinatorial Game Theory with an α - β Solver for Domineering	9
<i>Michael Barton and Jos Uiterwijk</i>	
Using Distances for Aggregation in Abstract Argumentation	17
<i>Richard Booth and Mikołaj Podlaszewski</i>	
Grounded Semantics and Infinitary Argumentation Frameworks	25
<i>Martin Caminada and Nir Oren</i>	
Capturing Evidence and Rationales with Requirements Engineering and Argumentation-Based Techniques	33
<i>Sepideh Ghanavati and Marc van Zee</i>	
Fast Laplace Approximation for Gaussian Processes with a Tensor Product Kernel	41
<i>Perry Groot, Markus Peters, Tom Heskes and Ketter Wolf</i>	
Predicting Pseudo-Random Behaviour in Professional Sports	49
<i>Manuel Kauschinger and Kurt Driessens</i>	
Gesture Detection and Recognition by Repetition for Expressive Control	57
<i>Bas Kooiker and Makiko Sadakata</i>	
Event detection in Twitter: A machine-learning approach based on term pivoting	65
<i>Florian Kunneman and Antal van Den Bosch</i>	
Case-driven Agent-based Simulation: a Methodology for the Interdisciplinary Development and Evaluation of Cognitive Architectures	73
<i>Samer Schaat and Dietmar Dietrich</i>	
Stratified Action Negation, a Logic about Travel	81
<i>Xin Sun and Huimin Dong</i>	
How do Pessimistic Agents save Miners? A STIT Based Approach	88
<i>Xin Sun, Zohreh Baniyadi and Shuwen Zhou</i>	
Dynamic Lateral Stability for an Energy Efficient Gait	95
<i>Zhenglong Sun and Nico Roos</i>	
Valuation of Cooperation and Defection in Small World Networks: A Behavioral Robotic Approach	103

Bijan Ranjbar-Sahraei, Irme M. Groothuis, Karl Tuyls and Gerhard Weiss

Validating Ontologies for Question Generating	111
<i>Marten Teitsma, Jacobijn Sandberg, Bob Wielinga and Guus Schreiber</i>	
Monte-Carlo Tree Search for Poly-Y	119
<i>Lesley Wevers and Steven Te Brinke</i>	

Compressed papers

Fair-Share ILS: A Simple State of the Art Iterated Local Search Hyperheuristic	128
<i>Steven Adriaensen, Tim Brys and Ann Nowé</i>	
On the Input/Output Behavior of Argumentation Frameworks	130
<i>Pietro Baroni, Guido Boella, Federico Cerutti, Massimiliano Giacomin, Leon van der Torre and Serena Villata</i>	
Simplifying the Visualization of Confusion Matrix	132
<i>Emma Beauxis-Aussalet and Lynda Hardman</i>	
LOD Laundromat: A Uniform Way of Publishing Other People's Dirty Data	134
<i>Wouter Beek, Laurens Rietveld, Hamid Bazoobandi, Jan Wielemaker and Stefan Schlobach</i>	
Towards Aggression De-escalation Training with Virtual Agents: A Computational Model	136
<i>Tibor Bosse and Simon Provoost</i>	
Combining Multiple Correlated Reward and Shaping Signals by Measuring Confidence	138
<i>Tim Brys, Ann Nowé, Daniel Kudenko and Matthew E. Taylor</i>	
Decomposition of Intervals in the Space of Anti-Monotonic Functions	140
<i>Patrick De Causmaecker and Stefan De Wannemacker</i>	
Probabilistic Argumentation Frameworks - A Logical Approach	142
<i>Dragan Doder and Stefan Woltran</i>	
Structural Properties as Proxy for Semantic Relevance in RDF Graph Sampling	144
<i>Rinke Hoekstra, Laurens Rietveld, Stefan Schlobach and Christophe Guéret</i>	
Feasibility Estimation for Clinical Trials	146
<i>Zhisheng Huang, Frank Van Harmelen, Annette Ten Teije and Andre Dekker</i>	
Virtual Reflexes	148
<i>Catholijn Jonker, Joost Broekens and Aske Plaat</i>	
Autonomous E-Coaching in the Wild: Empirical Validation of a Model-Based Reasoning System ..	150
<i>Bart Kamphorst, Michel Klein and Arlette van Wissen</i>	
Market Garden: a Simulation Environment for Research and User Experience in Smart Grids	152
<i>Bart Liefers, Felix N. Claessen, Eric Pauwels, Peter A.N. Bosman and Han La Poutré</i>	
Measuring Diversity of Preferences in a Group	154
<i>Vahid Hashemi and Ulle Endriss</i>	
Multi-objective Gene-pool Optimal Mixing Evolutionary Algorithms	156
<i>Ngoc Hoang Luong, Han La Poutré and Peter Bosman</i>	

A Successful Broker Agent for Power TAC	158
<i>Bart Liefers, Jasper Hoogland and Han La Pourtré</i>	
Smarter smartphones: understanding and predicting user habits from GPS sensor data	160
<i>Giuseppe Maggiore, Carlos Santos and Aske Plaat</i>	
Efficient Heuristics for Power Constrained Planning of Thermostatically Controlled Loads	162
<i>Frits de Nijs, Mathijs de Weerd and Matthijs Spaan</i>	
Nash Equilibria in Shared Effort Games	164
<i>Gleb Polevoy, Stojan Trajanovski and Mathijs de Weerd</i>	
A Novel Population-based Multi-Objective CMA-ES and the Impact of Different Constraint Handling Techniques	166
<i>Silvio Rodrigues, Pavol Bauer and Peter Bosman</i>	
Bounded Approximations for Linear Multi-Objective Planning under Uncertainty	168
<i>Diederik Roijers, Joris Scharpff, Matthijs Spaan, Frans Oliehoek, Mathijs De Weerd and Shimon Whiteson</i>	
Combining Simulated Annealing and Monte Carlo Tree Search for Expression Simplification	170
<i>Ben Ruijl, Jos Vermaseren, Aske Plaat and H.Jaap Van den Herik</i>	
Combining Model-Based EAs for Mixed-Integer Problems	172
<i>Krzysztof Sadowski, Dirk Thierens and Peter Bosman</i>	
Anchor-Profiles: Exploiting Profiles of Anchor Similarities for Ontology Mapping	174
<i>Frederik Schadd and Nico Roos</i>	
Causal discovery from databases with discrete and continuous variables	176
<i>Elena Sokolova, Perry Groot, Tom Claassen and Tom Heskes</i>	
Flexibility and Decoupling in Simple Temporal Networks	178
<i>Michel Wilson, Tomas Klos, Cees Witteveen and Bob Huisman</i>	
Robot Mood is Contagious: Effects of Robot Body Language in the Imitation Game	180
<i>Junchao Xu, Joost Broekens, Koen Hindriks and Mark Neerincx</i>	
Demos	
Using Facial Expressions for Personalised Gaming	183
<i>Paris Mavromoustakos Blom, Sander Bakkes and Diederik Roijers</i>	
Teaching Mario. Demonstrating the Effectiveness of Human Guidance when q-learning	185
<i>Roland Meertens</i>	
Enhancing operational work in maritime safety-and-security tasks	187
<i>Steffen Michels, Marina Velikova, Bas Huijbrechts, Peter Novak, Jesper Hoeksma, Roeland Scheepens, Jan Laarhuis and Andre Bonhof</i>	
An Implementation for Distances between Labellings in Abstract Argumentation	189
<i>Mikołaj Podlaskowski and Yining Wu</i>	
Interpreting EEG Signals using Artificial Intelligence	191
<i>Felipe Gomez Marulanda, Ann Nowe, Yann-Michael De Hauwere and Peter Vrancx</i>	

Thesis abstracts

The Detection Of Facial Expressions for Action Coordination	195
<i>Tessa Beinema, Ron Dotsch and Franc Grootjen</i>	
Modeling and forecasting elections using topic models	197
<i>Bas van Berkel</i>	
Using Neighbourhood-based Collaborative Filtering to Predict E-Learning Exercise Difficulty	199
<i>Floris Devriendt, Ruben Lagatie, Maarten Devillé, Peter Vrancx and Ann Nowé</i>	
Studying Social Interactions using Swarm Robotics	201
<i>Irme M. Groothuis and Bijan Ranjbar-Sahraei</i>	
Adaptive Learning Using the Exclusion Principle	203
<i>Iris Monster, James M. McQueen and Peter Desain</i>	
Rotation invariant feature extraction in the classification of galaxy morphologies	205
<i>Steven Reitsma</i>	
Broad-Band Visually Evoked Potentials: Towards Enhanced Speller BCIs	207
<i>Jordy Thielen, Philip van den Broek, Jason Farquhar and Peter Desain</i>	
Finding Substitutions of Rare Earth Elements Using Publication Data	209
<i>Kirill I. Tumanov</i>	
Traffic Flow Optimization using Reinforcement Learning	211
<i>Erwin Walraven</i>	